SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	Santhosh Devarajappa		Gangadhara Swamy M	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
206	GELCARD CENTRIFUGE :Advantages of Matrix Gel system: Stable End Reactions Read results hours later Can be saved for QA or peer review Can be photocopied for documentation Objective Interpretation of results Easy interpretation of weak reactions Relatively skill free Enhanced Sensitivity Better detectability especially in antibody screen and cross match Eliminates cell wash step Less skill and technique demands Saves time Small sample size More flexible More convenient Indigenously Manufactured,Easy availability Long shelf life,Another first from Tulip,Tulip's Technical Support,Dependability	NO	1.00	295000.00	295000.00	320000.00	320000.00	320075.00	320075.00
207	GELCARD Incubator:Advantages of Matrix Gel system: Stable End Reactions Read results hours later Can be saved for QA or peer review Can be photocopied for documentation Objective Interpretation of results Easy interpretation of weak reactions Relatively skill free Enhanced Sensitivity Better detectability especially in antibody screen and cross match Eliminates cell wash step Less skill and technique demands Saves time Small sample size More flexible More convenient Indigenously Manufactured Easy availability.Long shelf life,Another first from Tulip,Tulip's Technical Support,Dependability	NO	1.00	295000.00	295000.00	320000.00	320000.00	320075.00	320075.00
208	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)-in ordinary soil (Page no-41, Item No-6.6.1 of Electrical PWD SR 2019-20.)	Mtr	290.00	85.12	24684.80	86.00	24940.00	92.00	26680.00
209	Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm all-round the cable. (Page no-41, Item No-6.7 of Electrical PWD SR 2019-20.)	Mtr	291.00	112.00	32592.00	115.00	33465.00	122.00	35502.00
210	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class-3.5 core 25 sqmm (Page no-40, Item No-6.4.5 of Electrical PWD SR 2019-20.)	Mtr	160.00	201.60	32256.00	205.00	32800.00	219.00	35040.00
211	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class-4 core 16 sqmm (Page no-40, Item No-6.4.4 of Electrical PWD SR 2019-20.)	Mtr	160.00	168.00	26880.00	170.00	27200.00	182.00	29120.00

Scanned by TapScanner

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	Santhosh Devarajappa		Gangadhara Swamy M	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
212	Labour charges for laying of 1.1KV class UG calbe when supplied agency in existing trench Gl pipe/ stpnewre pip / on wall / on pole as required. On wall /Structure- 25 sqmm to 75 sqmm (Page no-41, Item No-6.5.1 of Electrical PWD SR 2019-20.)	Mtr	160.00	17.63	2820.80	20.00	3200.00	19.00	3040.00
213	Labour charges for laying of 1.1KV class UG calbe when supplied agency in existing trench Gl pipe/ stpnewre pip / on wall / on pole as required. On wall /Structure- 6 sqmm to 16 sqmm (Page no-41, Item No-6.5.1 of Electrical PWD SR 2019-20.)	Mtr	160.00	13.31	2129.60	15.00	2400.00	14.00	2240.00
214	Good Quality Cable covering Tiles . As per the directions of Engineer in-charge "Technical specification-Electrical items"	Mtr	2900.00	11.20	32480.00	12.00	34800.00	12.00	34800.00
215	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure -4Way SP &N (Page no-28, Item No-5.18.1 of Electrical PWD SR 2019-20.)	Each	2.00	870.20	1740.40	900.00	1800.00	944.00	1888.00
216	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.- 6-32 Amps DP (Page no-27, Item No-5.17.4 of Electrical PWD SR 2019-20.)	Each	2.00	1018.08	2036.16	1100.00	2200.00	1105.00	2210.00
217	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia (Page no-40, Item No-6.1 of Electrical PWD SR 2019-20.)	NO	2.00	3359.66	6719.32	3500.00	7000.00	3645.00	7290.00
218	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) (Page no-42, Item No-6.11.2 of Electrical PWD SR 2019-20.)	Each	2.00	94.08	188.16	150.00	300.00	102.00	204.00
219	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.-25sqmm long barral (Page no-43, Item No-6.17.7 of Electrical PWD SR 2019-20.)	Each	4.00	22.40	89.60	25.00	100.00	24.00	96.00
220	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.-16sqmm (Page no-43, Item No-6.17.6 of Electrical PWD SR 2019-20.)	Each	8.00	13.93	111.44	15.00	120.00	15.00	120.00
221	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. -12 SWG GI Wire (Page no-43, Item No-6.18.1 of Electrical PWD SR 2019-20.)	Mtr	50.00	15.68	784.00	20.00	1000.00	17.00	850.00

Scanned by TapScanner

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	Santhosh Devarajappa		Gangadhara Swamy M	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
222	Fabricating, supplying and erection of 6.0 Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S355JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for ……..Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom ……mm, top….mm with 3mm thick, suitable base plate and 4Nos of ….. long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding foundation) as per drawing appended. - 6meters - Top 75mm and bottom 135 mm dia (Page no-14, Item No-4.4.4 of lectrical PWD SR 2019-20.)	Each	7.00	11549.44	80846.08	11600.00	81200.00	12531.00	87717.00
223	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark	Each	7.00	10304.00	72128.00	10500.00	73500.00	11180.00	78260.00
224	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 Mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. -Using 32mm dia G.I.Pipe. (Page no-79, Item No-14.1.2 of Electrical PWD SR 2019-20.)	Each	7.00	935.20	6546.40	1000.00	7000.00	1015.00	7105.00
225	LED Streetlight 120 Watts	Each	7.00	504.00	3528.00	510.00	3570.00	547.00	3829.00
226	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS:8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 - 2C X 1.5Sq.mm(Page no-6, Item No-2.5.1 of Electrical PWD SR 2019-20.)	Mtr	56.00	44.80	2508.80	50.00	2800.00	49.00	2744.00
227	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947- 60 to 70Amps (Page no-26, Item No-5.13.3 of Electrical PWD SR 2019-20.)	Each	1.00	4704.00	4704.00	4800.00	4800.00	5104.00	5104.00
228	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. -16 sqmm (Page no-6, Item No-2.3.7 of Electrical PWD SR 2019-20.)	Mtr	3.00	210.56	631.68	220.00	660.00	228.00	684.00
229	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.- 40x40x6mm (Page no-30, Item No-5.41.1of Electrical PWD SR 2019-20.)	Mtr	7.00	285.60	1999.20	300.00	2100.00	310.00	2170.00

Scanned by TapScanner

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	Santhosh Devarajappa		Gangadhara Swamy M	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
230	Fabricating supplying and mounting MS box made out 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete - 16SWG (Page no-30, Item No-5.42.2 of Electrical PWD SR 2019-20.)	sqcm	25000.00	0.39	9750.00	0.75	18750.00	0.50	12500.00
231	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. -63Amps (Page no-25, Item No-5.7.3 of Electrical PWD SR 2019-20.)	Each	2.00	254.24	508.48	300.00	600.00	276.00	552.00
232	Supplying and fixing Microprocessor based Electronic timer (without contactor, Din Mounting using necessary bolts, nuts and washers etc.,.) 3-120sec setting. (Page no-32, Item No-5.47 of Electrical PWD SR 2019-20.)	Each	1.00	2156.00	2156.00	2200.00	2200.00	2339.00	2339.00
233	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits etc., either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.-in ordinary soil.NO.KBS 2.1(a)/2.3.5 (Page no-6, Item No-2.3 of PWD SR 2018-19.)	Cum	8.51	361.67	3077.81	370.00	3148.70	392.00	3335.92
234	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 OPC cement @ 180 Kgs with 40mm and down size graded granite metal of coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15cms thick, well compacted in foundation including cost of all materials, labour, HOM curing complete as per Specification No. KBS 4.1, 4.2 (Page no-13, Item No-4.3 of PWD SR 2018-19.)	Cum	0.57	6171.38	3517.69	6300.00	3591.00	6696.00	3816.72
235	KSRB 4-2.2: Providing and laying in position Reinforced Cement Concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal of coarse aggregates @ 0.69 cum and fine aggregates @ 0.46 cum, with superplastisiser @ 3 Liters conforming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footing ,pedastals,retaining walls,return walls, walls (any thickness) including attached pilasters, columnspillars,post struts, buttresses, bed blocks, anchor blocks & Plinths etc., including cost of all materials, labour, HOM curing complete as per Specifications Specification No. KBS 4.1, 4.6(Page no-14, Item No-4.11 of PWD SR 2018-19.)	Cum	5.49	6845.13	37579.76	7000.00	38430.00	7427.00	40774.23
236	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per Specifications. Specification No. KBS 4.6.2 (Page no-16, Item No-4.32 of PWD SR 2018-19.)	Sqm	31.36	551.58	17297.55	560.00	17561.60	598.00	18753.28
237	KSRB : 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification. Specification No. KBS 2.9 (Page no-7, Item No-2.10 of PWD SR 2018-19.)	Cum	3.14	243.13	763.43	250.00	785.00	264.00	828.96

Scanned by TapScanner

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	Santhosh Devarajappa		Gangadhara Swamy M	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
238	KSRB 4.9.2 : Providing TMT Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per Specifications. Specification No. KBS 4.6.3 -TMT bars Fe 500(Page no-18, Item No-4.46.2 of PWD SR 2018-19.)	Tonne	0.16	85840.47	13734.48	86000.00	13760.00	93137.00	14901.92
239	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits etc., either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.-in ordinary soil.NO.KBS 2.1(a)/2.3.5 (Page no-6, Item No-2.3 of PWD SR 2018-19.)	Cum	9.21	344.93	3176.81	350.00	3223.50	374.00	3444.54
240	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 OPC cement @ 180 Kgs with 40mm and down size graded granite metal of coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted in foundation including cost of all materials, labour, HOM curing complete as per Specification No. KBS 4.1, 4.2 (Page no-13, Item No-4.3 of PWD SR 2018-19.)	Cum	10.23	5885.67	60210.40	6000.00	61380.00	6386.00	65328.78
241	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1) : 2005 and constructed with CM 1: 4,as per IS 2572:2005 including cost of all materials labour Charges ,Scaffolding,curing,hire charges of all materials labour charges, scaffolding,curing,hire charges of machineries etc.,complete as per specifications.KBS No. 5.4 - with solid concrete blocks of size 400X200X200 (Page no-27, Item No-5.26.1 of PWD SR 2018-19.)	Sqm	34.56	1163.64	40215.40	1200.00	41472.00	1263.00	43649.28
242	Providing and fixing for flooring 20mm thick sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of including cost of all materials ,morter,labour,curing etc.,complete as per specification - minimum width of 1200mm.(Gang saw Water Cut) (Page no-112, Item No-14.61.2 of PWD SR 2018-19.)	Sqm	13.20	2480.89	32747.75	2500.00	33000.00	2692.00	35534.
243	KSRB 15-3 : Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications -Cement Morter 1:6 (Page no-116, Item No-15.17 of PWD SR 2018-19.)	Sqm	37.44	296.35	11095.34	300.00	11232.00	322.00	1205
244	KSRRB M800-6. Painting two coats on New Concrete Surface:-Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces complete as per specifications. MORTH Specification No. 803 (Page no-181, Item No-24.7 of PWD SR 2018-19.)	Sqm	38.44	99.19	3812.86	110.00	4228.40	108.00	415
245	Stone bench " Executive Bench : Made out of sadarohally Grey Stone with hand supports with 3Line Finishing witharch.Design with 100 mm SLAB . Fleight 90 X Length150 Width 45 Cms.	Each	8.00	20384.00	163072.00	21000.00	168000.00	22117.00	176

Scanned by TapScanner

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	Santhosh Devarajappa		Gangadhara Swamy M	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
246	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information requiredincluding transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground	NO	1.00	4220.16	4220.16	4500.00	4500.00	4579.00	4579.00
247	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01-(a),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)	Mtr	50.00	388.64	19432.00	400.00	20000.00	422.00	21100.00
248	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(b),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)	Mtr	50.00	495.04	24752.00	550.00	27500.00	537.00	26850.00
249	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(c),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)	Mtr	50.00	510.72	25536.00	550.00	27500.00	554.00	27700.00
250	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(d),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)	Mtr	50.00	600.32	30016.00	650.00	32500.00	651.00	32550.00

Scanned by TapScanner

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	Santhosh Devarajappa		Gangadhara Swamy M	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
251	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(e),PRED RWS SR 2019-20 Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)	Mtr	50.00	710.08	35504.00	750.00	37500.00	770.00	38500.00
252	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(f),PRED RWS SR 2019-20 Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)	Mtr	50.00	784.00	39200.00	850.00	42500.00	851.00	42550.00
253	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(g),PRED RWS SR 2019-20 Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)	Mtr	50.00	924.00	46200.00	960.00	48000.00	1003.00	50150.00
254	Supply of ISI mark 175 mm nominal Bore, plain end steel casing pipe grade of steel Fe 410 of wall thickness 5.4 mm thick confirming to IS 4270:2001 and latest amendments, electric, resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. both ends threaded confirming to IS 554/1985 one end fixedwith socket confirming to IS 4270:2001 and the other end with screwd pipes. All Pipe Shall be reasonably free from defects. the tubesshall be reasonably straigth should be with ISI marking, weighing, 25.1 kg/mtr (inclusive of all taxes duties) prices include collar - medium duty(Page no-III, Item No-84 (Material Components of PRE .Circle Bangalore SR 2012-13.)` 1)from 0 to 20m	Mtr	20.00	1484.00	29680.00	1550.00	31000.00	1610.00	32200.00
255	Supply of ISI mark 175 mm nominal Bore, plain end steel casing pipe grade of steel Fe 410 of wall thickness 5.4 mm thick confirming to IS 4270:2001 and latest amendments, electric, resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. both ends threaded confirming to IS 554/1985 one end fixedwith socket confirming to IS 4270:2001 and the other end with screwd pipes. All Pipe Shall be reasonably free from defects. the tubesshall be reasonably straigth should be with ISI marking, weighing, 25.1 kg/mtr (inclusive of all taxes duties) prices include collar - medium duty(Page no-III, Item No-84 (Material Components of PRE .Circle Bangalore SR 2012-13.) 1)from 20 to 30m	Mtr	10.00	1706.60	17066.00	1750.00	17500.00	1852.00	18520.00
256	Supply of 175 MM MS CAP (Page no-III, Item No-85 (Material Components of PRE .Circle Bangalore SR 2012-13.)`	Each	1.00	112.00	112.00	150.00	150.00	122.00	122.00
257	Supplying, Erection and commissioning of 5HP/3.7 kw 12 stage Submersible pump of Approved make with ISI mark including necessary accessories (Page no-XLI, Item No-6 of PWD SR 2018-19.)	Each	1.00	35198.24	35198.24	37000.00	37000.00	38190.00	38190.00

Scanned by TapScanner

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	Santhosh Devarajappa		Gangadhara Swamy M	
						Quoted Rate	Total Amount	Quoted Rate	Total Amou
258	Supplying and drawing 3 core flat PVC Sheathed Submersible pump cable manufactured with electrolytic grade copper wityh flexible copper with low resistance conductor confirming to table 3 class 5 of IS 8130 -1984 and virgin grade PVC insulation and power coating extruded PVC Sheathed Suitable for working voltage up to 1100 volts as per IS 694:1990 & confirming to GTP of GROUP-A -3C X 2.5Sqmm. (Page no-7, Item No-2.6.2 of Electrical PWD SR 2019-20.)	Mtr	350.00	109.76	38416.00	120.00	42000.00	119.00	41650.00
259	KSRB13-9.3 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9 -50mm dia (Page no-96, Item No-13.73.1 of PWD SR 2018-19.)`	Mtr	350.00	396.75	138862.50	420.00	147000.00	430.00	150500.00
260	KSRB 13-7.1-4: Providing and fixing in position nominal bore Gun-metal non return valve horizontal type of approved make including cost of all materials, labour and HOM with all leads complete as per specifications.Specification No KBS 13.2.10/13.13-50mm dianominal bore (Page no-95, Item No-13.55 of PWD SR 2018-19.)`	NO	1.00	1608.77	1608.77	1800.00	1800.00	1746.00	1746.00
261	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor.-Upto 12.5 HP (Page no-24, Item No-5.2.1 of Electrical PWD SR 2019-20.)	NO	1.00	7168.00	7168.00	7500.00	7500.00	7777.00	7777.00
262	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits etc., either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.-in ordinary soil.NO.KBS 2.1(a)/2.3.5 (Page no-6, Item No-2.3 of PWD SR 2018-19.)	Cum	45.86	361.67	16586.19	400.00	18344.00	392.00	17977.12
263	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 OPC cement @ 180 Kgs with 40mm and down size graded granite metal of coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15cms thick, well compacted in foundation including cost of all materials, labour, HOM curing complete as per Specification No. KBS 4.1, 4.2 (Page no-13, Item No-4.3 of PWD SR 2018-19.)	Cum	1.37	6171.38	8454.79	6300.00	8631.00	6696.00	9173.52
264	KSRB 4-1.5: Providing and laying in position plain cement concrete of mix M 20 with OPC cement @ 300 Kgs with 20mm and down size graded granite metal of coarse aggregates @ 0.69 cum and fine aggregates @ 0.43 cum, machine mixed , concrete laid in layers not exceeding 15cms thick, well compacted in foundation, plinth, and Cills including cost of all materials, labour, HOM curing complete as per Specifications Specification NO. KBS 4.1, 4.2 (Page no-13, Item No-4.5 of PWD SR 2018-19.)	Cum	3.68	6444.75	23716.68	6700.00	24656.00	6993.00	25734.24

Scanned by TapScanner

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	Santhosh Devarajappa		Gangadhara Swamy	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
265	KSRB 4-2.2: Providing and laying in position Reinforced Cement Concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal of coarse aggregates @ 0.69 cum and fine aggregates @ 0.46 cum, with superplastisiser @ 3 Liters conforming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footing ,pedastals,retaining walls,return walls, walls (any thickness) including attached pilasters, columnspillars,post struts, buttresses, bed blocks, anchor blocks & Plinths etc., including cost of all materials, labour, HOM curing complete as per Specifications Specification No. KBS 4.1, 4.6(Page no-14, Item No-4.11 of PWD SR 2018-19.)	Cum	12.90	6845.13	88332.18	7000.00	90300.00	7427.00	95808.30
266	KSRB 15-3.5: Providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.-cement morter 1:4 (Page no-115, Item No-15.13 of PWD SR 2018-19.)	Sqm	117.00	254.95	29828.15	280.00	32760.00	277.00	32409.00
267	KSRB 4.9.2 : Providing TMT Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per Specifications. Specification No. KBS 4.6.3 -TMT bars Fe 500(Page no-18, Item No-4.46.2 of PWD SR 2018-19.)	Tonne	1.16	85840.47	99574.95	90000.00	104400.00	93137.00	108038.92
268	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors,landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from Ground level Specification No. KBS 4.6.2 -0 to 5mts (Page no-16, Item No-4.29.2 of PWD SR 2018-19.)	Sqm	94.60	483.84	45771.26	500.00	47300.00	525.00	49665.00
269	C.I manhole cover with frame 610x455mm size (38 Kgs) (Page no-XXIV, Item No-624 of PWD SR 2018-19.)	Each	1.00	2562.71	2562.71	2700.00	2700.00	2781.00	2781.00
270	KSRB : 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification. Specification No. KBS 2.9 (Page no-7, Item No-2.10 of PWD SR 2018-19.)	Cum	4.06	243.13	987.11	300.00	1218.00	264.00	1071.84
271	Earth work in EXCAVATION FOR PIPELINE TRENCHES upto 600 mm trench width by mechanical / manual means as per drawing and technical specifications, including setting out, shoring, strutting, barricading, danger lighting bracing, using sight rails & boning rods at every 100 M wherever necessary as directed, removal of stumps and other deleterious matters, dressing of sides & leveling the bottom of trench to the extent required, utilizing the available excavated earth locally for the work etc. complete IN ORDINARY SOILS / ALL SOILS / HARD SOILS etc. for: (Page no-54, Item No-8.1(PIPELINE WORKS FOR WATER SUPPLY & UGD WORKS EXCAVATION), of BWS & DB SR 2017-18.)	Cum	60.00	209.44	12566.40	220.00	13200.00	227.00	13620.00

Scanned by TapScanner

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	Santhosh Devarajappa		Gangadhara	
						Quoted Rate	Total Amount	Quoted Rate	Tota
272	Supplying PVC ring tight pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing)- etc. for: PVC pipes 50 mm outer dia., 6 kg/sqcm & class 5 (Page no-133, Item No-1.3(PVC PIPE WORKS), of BWS & DB SR 2017-18.)	RMT	100.00	119.84	11984.00	150.00	15000.00	130.00	13000.00
273	REFILLING OF EARTH around pipelines, in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering all lead and lift including cost of all labour including consolidation by mechanical means approved by the Engineer in charge, when earth is at suitable moisture content with desired field density upto 95% maximum dry density (modified heavy proctor test) for restoration of roads without settlement including HOM of machineries, complete. (The contractor shall take care while consolidating the earth, so that, pipes laid are not damaged due to mechanical compaction and shall restore the damaged pipes at his own cost, in case of damage) etc. with: Approved earth available nearby, lead upto 100 M and lift upto 1.5 M. Note: In exceptional cases, earth may be obtained from borrow pit with extra lead, duly obtaining approval from the Chief Engineer (Page no-56, Item No- 4.1(PIPELINE WORKS FOR WATER SUPPLY & UGD WORKS EXCAVATION), of BWS & DB SR 2017-18.)	Cum	60.00	115.36	6921.60	130.00	7800.00	125.00	7500.00
274	KSRB13-6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (Page no-94, Item No-13.37 of PWD SR 2018-19.)	NO	2.00	2103.49	4206.98	2200.00	4400.00	2282.00	4564.00
275	KSRB13-7.1-4 : Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.10 / 13.13 (Page no-95, Item No-13.55 of PWD SR 2018-19.)	NO	1.00	1608.77	1608.77	1800.00	1800.00	1746.00	1746.00
	Total Summary Amount				29335188.27		31362001.20		31825922.17
	% against Estimated Rate						6.91		8.49
	Total Bid Amount						31362001.20 (L1)		31825922.17 (L2)

Scanned by TapScanner